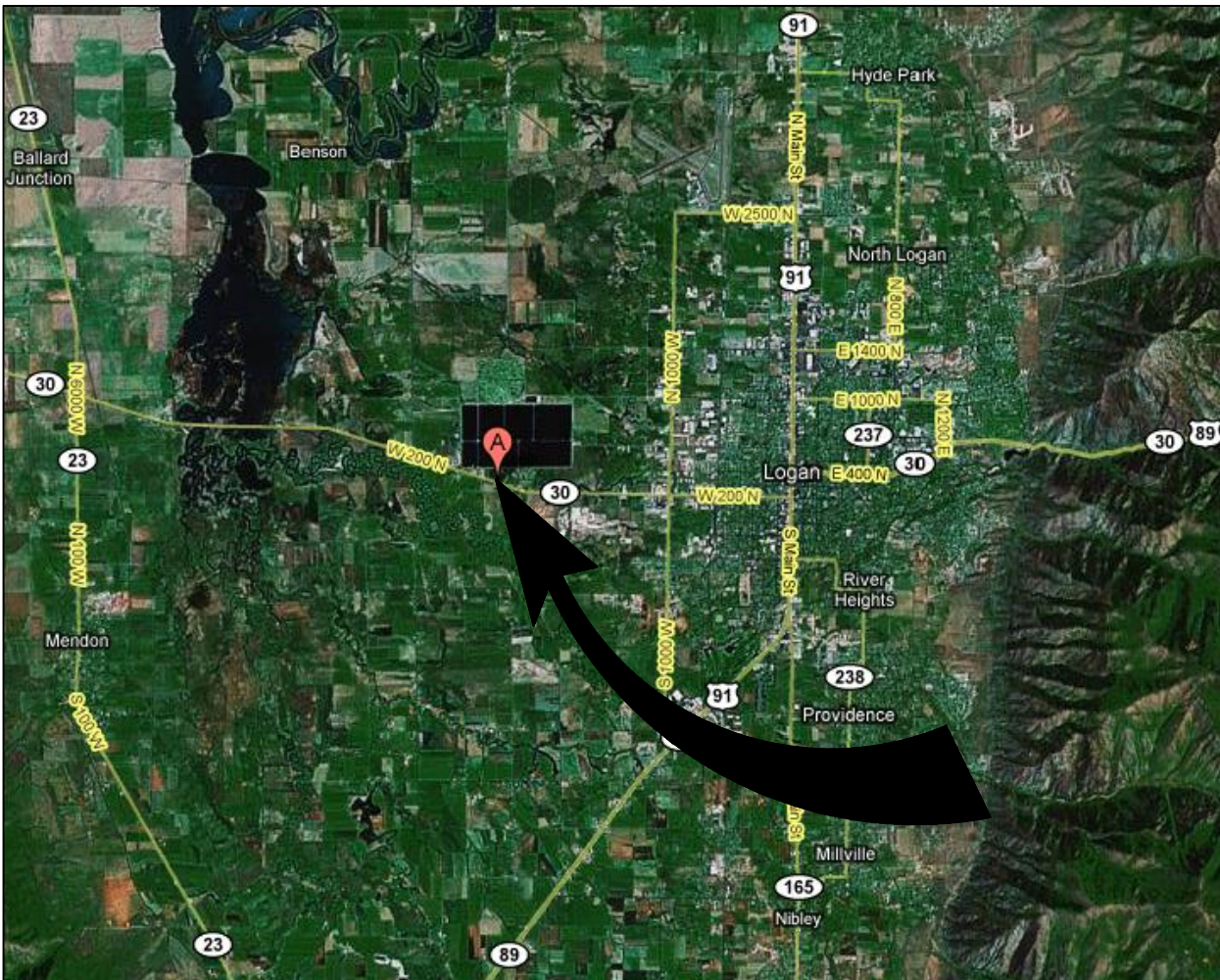


STATE OF UTAH DFCM # 08295520,

CACHE VALLEY HUNTER
EDUCATION CENTER
2851 WEST 200 NORTH
LOGAN, UTAH

ENGINEER:
McNEIL GROUP Inc.
6895 S. 900 E.
MIDVALE, UTAH 84041
(801) 255-1100



VICINITY MAP

INDEX TO DRAWINGS

SHEET	DRAWING TITLE
CS	COVER SHEET
CI01	PARTIAL SITE PLAN
AI01	ROOF PLANS
AB00	DETAILS

TO OUR BEST KNOWLEDGE THESE DRAWINGS MEET ALL INTENTS
OF THE DFCM STANDARDS FOR THE STATE OF UTAH.

DFCM DESIGN AND CODE CRITERIA

APPLICABLE CODES			
	YEAR		YEAR
INTERNATIONAL BUILDING CODE	2006	NATIONAL ELECTRICAL CODE	2005
INTERNATIONAL MECHANICAL CODE	N/A	UNIFORM CODE FOR BUILDING CONSERVATION	N/A
INTERNATIONAL PLUMBING CODE	2006	ADA ACCESSIBILITY GUIDELINES	N/A
INTERNATIONAL FIRE CODE	2006		
INTERNATIONAL ENERGY CONSERVATION CODE	2006		

- A. OCCUPANCY AND GROUP: B
- CHANGE IN USE: YES NO X MIXED OCCUPANCY: YES NO X
- SPECIAL USE AND OCCUPANCY (eg. HIGH RISE, COVERED MALL): NO
- B. SEISMIC DESIGN CATEGORY: N/A DESIGN WIND SPEED: 100 MPH
- C. TYPE OF CONSTRUCTION (CIRCLE ONE):
- | | | | | | | | | |
|---|---|----|-----|-----|----|----|---|---|
| I | I | II | III | III | IV | V | V | |
| A | B | A | B | A | B | HT | A | B |
- D. FIRE RESISTANT RATING REQUIREMENTS FOR THE EXTERIOR WALLS BASED ON THE FIRE SEPARATION DISTANCE (IN HOURS)
- NORTH N/A SOUTH N/A EAST N/A WEST N/A
- E. MIXED OCCUPANCIES: NO NONSEPARATED USES NO
- F. SPRINKLERS: NO NONSEPARATED USES NO
- REQUIRED: NO PROVIDED NO TYPE OF SPRINKLER SYSTEM NONE
- G. NUMBER OF STORIES: 2 BUILDING HEIGHT: N/A
- H. ACTUAL AREA PER FLOOR (SQUARE FEET): XX
- I. TABULAR AREA: XX
- J. AREA MODIFICATIONS:
- a) $A_g = A_1 + \left[\frac{A_2}{100} \right] + \left[\frac{A_3}{100} \right] + \dots$ $I_1 = 100 \left[\frac{F}{F} - 0.25 \right] \frac{W}{30}$
- b) SUM OF THE RATIO CALCULATIONS FOR MIXED OCCUPANCIES:
- ACTUAL AREA ALLOWABLE AREA ≤ 1
- C) TOTAL ALLOWABLE AREA FOR:
- 1) ONE STORY: -
- 2) TWO STORY: $A_g(2)$ -
- 3) THREE STORY: $A_g(3)$ -
- d) UNLIMITED AREA BUILDING: YES NO X CODE SECTION: N/A
- K. FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS).

ELEMENT	HOURS	ASSEMBLY LISTING	ELEMENT	HOURS	ASSEMBLY LISTING
EXTERIOR BEARING WALLS	0	-	FLOORS - CEILING FLOORS	0	-
INTERIOR BEARING WALLS	0	-	ROOFS - CEILING ROOFS	0	-
EXTERIOR NON-BEARING WALLS	0	-	EXTERIOR DOORS AND WINDOWS	0	-
STRUCTURAL FRAME	0	-	SHAFT ENCLOSURES	N/A	-
PARTITIONS - PERMANENT	0	-	FIRE WALLS	0	-
FIRE BARRIERS	0	-	FIRE PARTITIONS	0	-
			SMOKE PARTITIONS	0	-

- L. DESIGN OCCUPANT LOAD: XX
- EXIT WIDTH REQUIRED: XX EXIT WIDTH PROVIDED: XX
- M. MINIMUM NUMBER OF REQUIRED PLUMBING FACILITIES:
- a) WATER CLOSETS - REQUIRED (m) XX (f) XX PROVIDED: (m) XX (f) XX
- b) LAVATORIES - REQUIRED (m) XX (f) XX PROVIDED: (m) XX (f) XX
- c) BATH TUBS OR SHOWERS: XX
- d) DRINKING FOUNTAINS: XX SERVICE SINKS: XX

- FOOTNOTES:
- 1) IN CASE OF CONFLICT WITH THE U.S. DEPARTMENT OF JUSTICE FEDERAL REGISTERS PARTS I THROUGH V - ADA GUIDELINES AND SPECIFIC REFERENCE TO THE INTERNATIONAL BUILDING CODE ACCESSIBILITY CHAPTERS, THE MORE RESTRICTIVE REQUIREMENT SHALL GOVERN.
- 2) ADDITIONAL CODE INFORMATION SHALL BE PROVIDED AT THE DISCRETION OF THE BUILDING OFFICIAL FOR COMPLEX BUILDINGS, INCLUDING, BUT NOT LIMITED TO:
- a) ATRIUMS
- c) PERFORMANCE BASED CRITERIA
- d) MEANS OR EGRESS ANALYSIS
- e) FIRE ASSEMBLY LOCATOR SHEET
- f) EXTERIOR AND INTERIOR ACCESSIBILITY ROUTE
- g) FIRE STOPPING, INCLUDING TESTED DESIGN NUMBER

McNEIL GROUP

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LOGAN, UTAH

REVISIONS

NO.	DATE	REVISION
1	11/5/08	PLAN REVIEW COMMENT

PROJECT NO: 280554
CAD DWG FILE: 280554-ph.dwg
DRAWN BY: NMD
BUILDING #:
PROPERTY NO:
DESIGNED BY: DLS
FIELD CREW:
CHECKED BY: DLS
DATE: OCTOBER 2008

COVER SHEET

CS
SHEET: 1 OF 4

GENERAL NOTES:

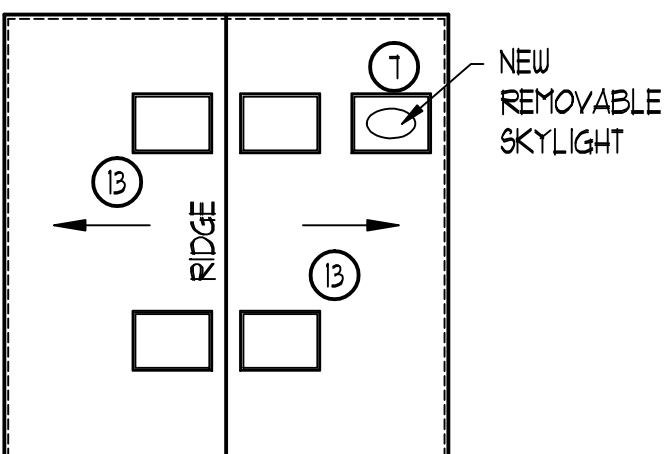
1. CONTRACTOR MUST VISIT THE SITE SO AS TO BE FAMILIAR WITH ALL EXISTING CONDITIONS BEFORE SUBMITTING BID. BRING ANY QUESTIONS OR CONCERNS TO THE ATTENTION OF THE CONSULTANT FOR CLARIFICATION, AND ADDENDUM PRIOR TO BID OPENING. NO ALLOWANCES WILL BE MADE FOR CONDITIONS THAT ARE CLEARLY VISIBLE.
2. CONTRACTOR SHALL WORK WITH OWNER ON SCHEDULING TO INSURE CONTINUED USE OF THE BUILDING. NEITHER THE CONTRACTOR NOR ANY OF HIS PEOPLE SHALL HAVE ACCESS TO THE BUILDING WITHOUT PRIOR AUTHORIZATION.
3. ALL SAFETY STANDARDS AND REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ALL EXISTING ROOF PENETRATIONS WILL BE FLASHED AND PAINTED.
5. ALL EXISTING ROOF VENTS, MECHANICAL UNITS, ROOF HATCHES, ETC. WILL BE RAISED A MINIMUM OF 10" ABOVE THE FINISHED ROOF.
6. ALL NEW METAL WILL BE PRE-FINISHED OR GALVANIZED STEEL. CAULKING WILL BE SAME COLOR AS METAL.
7. BEFORE FABRICATION OF ANY SHEET METAL WORK, SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL. ALL WORK TO CONFORM TO NRCA OR SMACNA DETAILS AND REQUIREMENTS WHERE NOT SPECIFICALLY DETAILED OTHERWISE.
8. COMPLY WITH ALL MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
9. CONTRACTOR RESPONSIBLE TO KEEP BUILDING WATERTIGHT AT ALL TIMES. STARTING FROM NOTICE TO PROCEED TO SUBSTANTIAL COMPLETION ANY DAMAGE TO THE BUILDING OR ITS CONTENTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. RAINGUTTERS:
-NO JOINTS ABOVE ENTRY DOORS
-RIVETS & SCREWS TO BE PAINTED SAME COLOR (NO SPRAY PAINT)
-USE POP RIVETS AT ALL CONNECTIONS FROM RAINGUTTERS TO DOWNSPOUTS.
-SPLASH BLOCKS TO BE UNDER EVERY DOWNSPOUT - CHECK EXISTING SITE.
-ALL JOINTS TO BE SEALED WATER TIGHT
11. BEFORE ORDERING ANY MATERIALS, VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. DO NOT SCALE DRAWINGS FOR QUANTITIES.
12. BEFORE INSTALLATION OF ALL NEW PIPE JACKS AND PIPE FLASHINGS CHECK MECHANICAL FLUES AND VENTS FOR ANY SETTLEMENT OR SHIFTING INTO ROOF. CONTRACTOR TO VERIFY THAT MECHANICAL EQUIPMENT VENTING TO HAVE POSITIVE RELEASE FLOW TO ROOF VENT AND FLUE IS SECURED TO ORIGINAL HEIGHT AND ALL CONNECTIONS ARE TIGHT AND SECURE.
13. ANY SIDING, FASCIA, ETC. THAT NEEDS TO BE REMOVED TO COMPLETE THIS JOB IS TO BE PART OF THE CONTRACT. CARE MUST BE TAKEN TO ENSURE THAT ALL ITEMS TO BE REINSTALLED ARE NOT DAMAGED DURING REMOVAL AND/OR INSTALLATION. ALL PIECES THAT ARE DAMAGED WILL BE REPLACED BY CONTRACTOR

SCOPE OF WORK:

1. COMPLETELY TEAR OFF EXISTING ROOFING SYSTEMS DOWN TO FLYWOOD SHEATHING. CHECK FLYWOOD FOR DAMAGE. CONTACT CONSULTANT IF ANY IS DISCOVERED DURING REMOVAL. SALVAGE ALL METAL ROOFING TO OWNER.
2. INSTALL NEW MECHANICAL CURBS FOR ALL EXISTING A/C UNITS. SEE DETAIL B/A5.00. VERIFY WORKING CONDITION OF ALL UNITS ON ROOF BEFORE AND AFTER ROOFING PROJECT.
3. INSTALL NEW FIRE RETARDANT TREATED WOOD NAILERS ALONG EDGE OF ROOF TO MATCH HEIGHT OF INSULATION. SEE DETAIL F/A5.00. TREATED WOOD TO COMPLY WITH IBC 603.1 CONDITION 13.
4. LOWER (3) EXISTING EXTERIOR WALL MOUNTED LIGHTS FOR PROPER ACCESS TO FIXTURE. ALL WORK NECESSARY TO COMPLETE JOB IS TO BE PART OF THE CONTRACT. ALL WORK TO BE DONE BY LICENSED ELECTRICIAN.
5. REMOVE AND DISPOSE OF EXISTING METAL FASCIA. INSTALL NEW WOOD BLOCKING TO MAKE ALL FASCIA FLUSH AND STRAIGHT. INSTALL NEW 24 GA. METAL FASCIA. SEE DETAIL F/A5.00
6. REMOVE EXISTING METAL DRIP EDGE AND REPLACE WITH 24 GA. PREFINISHED METAL. SEE DETAILS F & G/A5.00.
7. INSTALL NEW SKYLIGHT IN SHED ROOF FOR REPLACEMENT FOR REPLACEMENT OF PUMP. SEE DETAIL E/A5.00.
8. INSTALL (2) 2" LAYERS OF POLYISOCYANURATE INSULATION OVER ENTIRE FLAT ROOF.
9. REMOVE EXISTING RAINGUTTER AND DOWNSPOUTS. INSTALL NEW GUTTERS WHERE SHOWN. INSTALL NEW DOWNSPOUTS AT EXISTING LOCATIONS. SEE DETAILS H & I/A5.00
10. INSTALL NEW TURTLE VENTS ON ALL ENTRANCE AREAS. CUT HOLES IN EXISTING SOFFITS AND COVER WITH SCREENS FOR VENTING.
11. REMOVE AND INSTALL NEW 24 GA. PREFINISHED METAL PARAPET CAP WITH 1" SLOPE IN CAP. SEE DETAIL C/A5.00. INSTALL WITH STANDING SEAMS.
12. REMOVE, OIL AND REINSTALL ALL TURBINE VENTS ON FLAT ROOF.
13. INSTALL ALL NEW FELTS, DRIP EDGE, FLASHINGS AND SHINGLES ON WEST SHED AND ALL ENTRANCES. OWNER TO PICK COLOR OF SHINGLES. ALL METAL TO BE 24 GA. PRE-FINISHED. COLOR TO MATCH MAIN ROOF METAL.
14. INSTALL NEW 60 MIL. EPDM MEMBRANE FULLY ADHERED OVER ENTIRE FLAT ROOF. INSTALL AS PER MANUFACTURER'S LATEST RECOMMENDATIONS.
15. REPLACE MISSING SECTION OF METAL ROOFING ON NORTH FIRING SHED.
16. INSTALL NEW WALKWAY PADS TO ALL MECHANICAL UNITS ON ROOF.

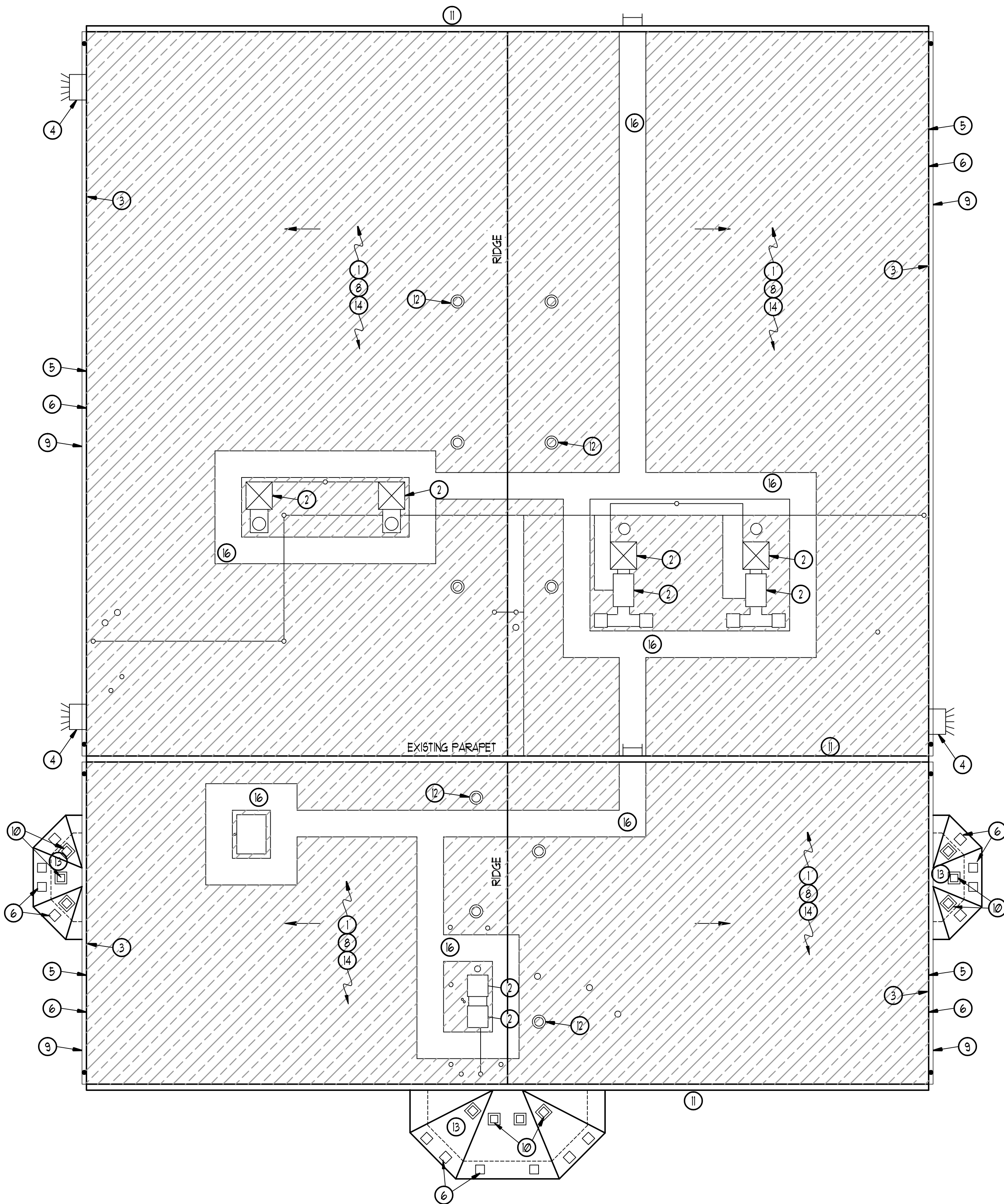
LEGEND

- SLOPE
- VENT
- MECHANICAL UNITS
- ⊗ CONDENSING UNITS
- ROOF LADDER ACCESS
- ▨ EPDM MEMBRANE ROOFING
- NEW SKY LIGHT
- NEW TURTLE VENTS
- NEW VENTS IN SOFFITS



WELL SHED ROOF PLAN

SCALE: 1/8" = 1'-0"



ROOF PLAN

SCALE: 1/8" = 1'-0"

REVISIONS

NO.	DATE	PLAN	REVIEW	COMMENT
1	11/5/08			
2				
3				
4				

PROJECT NO: 280554

CAD DWG. FILE: 280554-ph.dwg

DRAWN BY: NMD

BUILDING #:

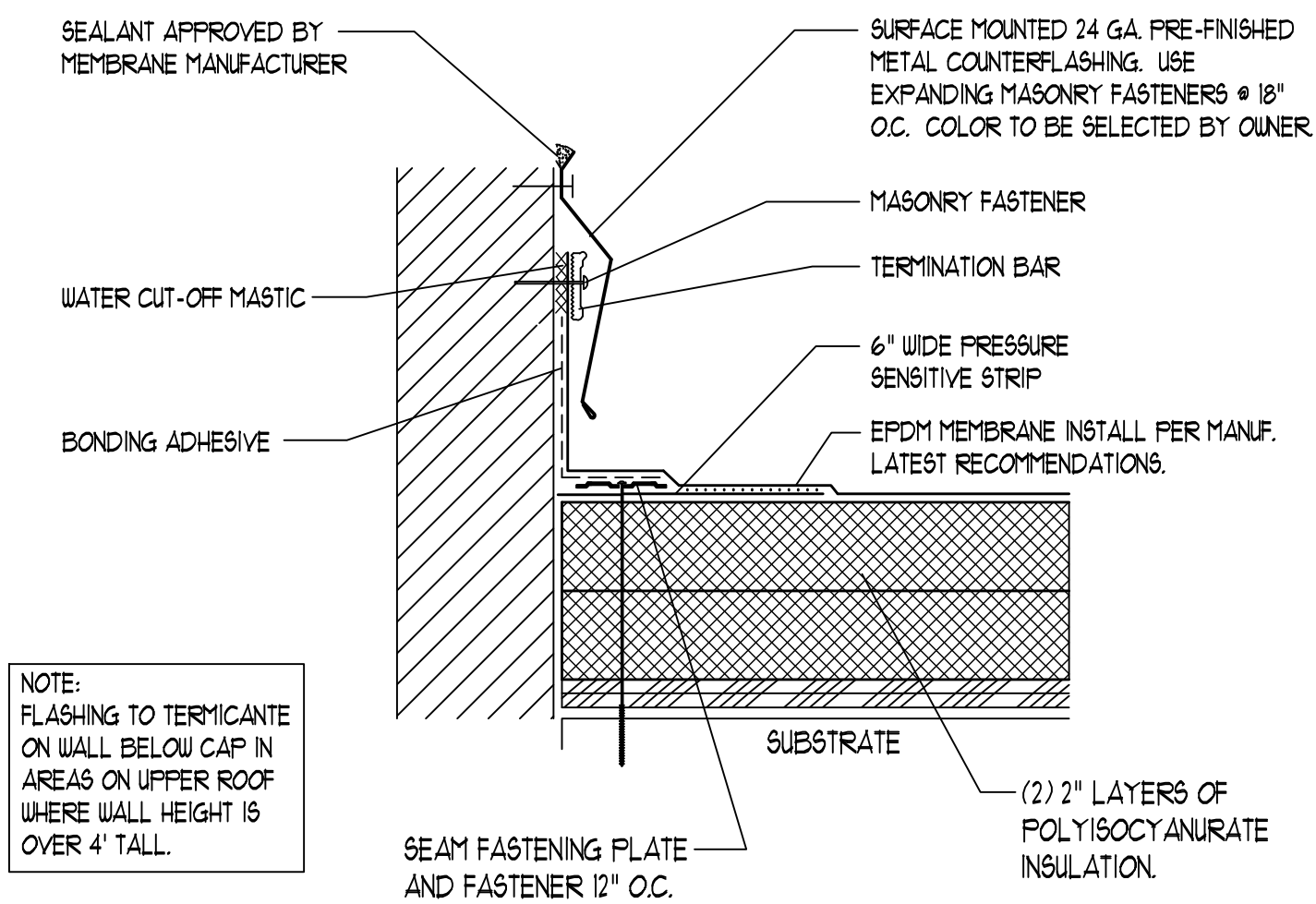
PROPERTY NO:

DESIGNED BY: DLS

FIELD CREW:

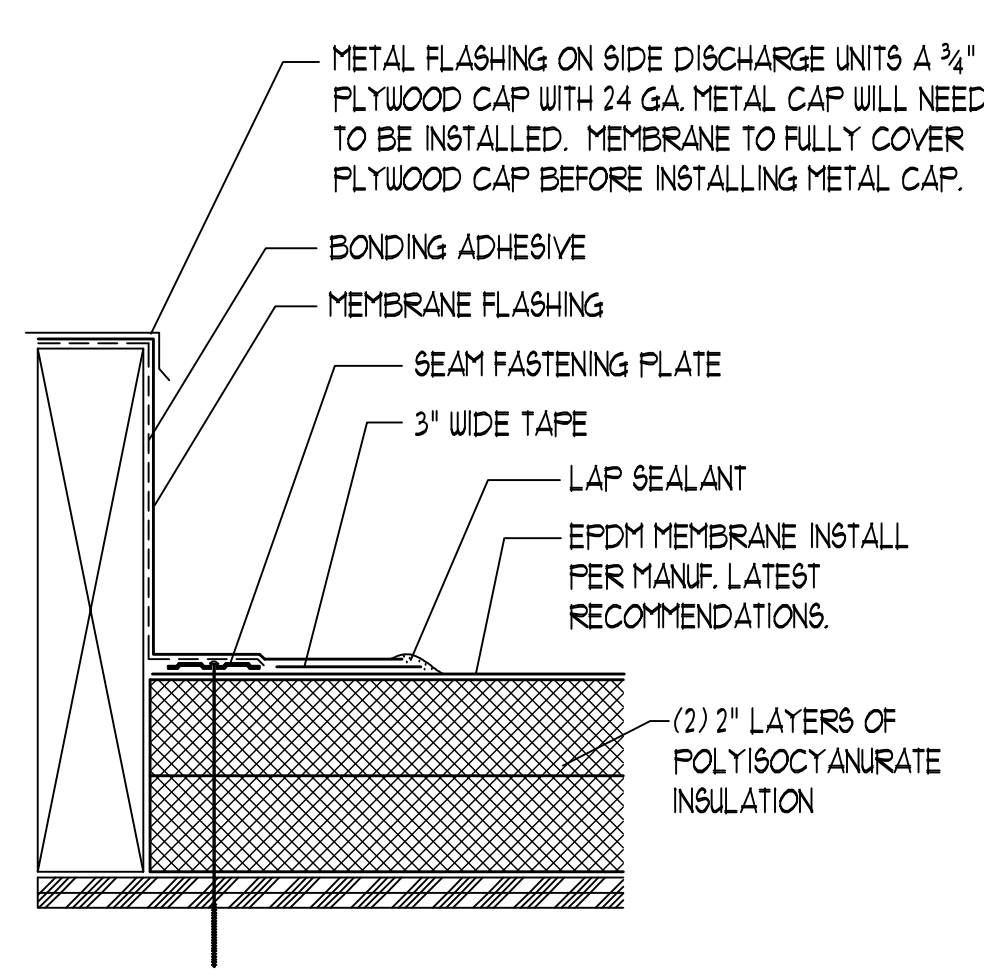
CHECKED BY: DLS

DATE: OCTOBER 2008



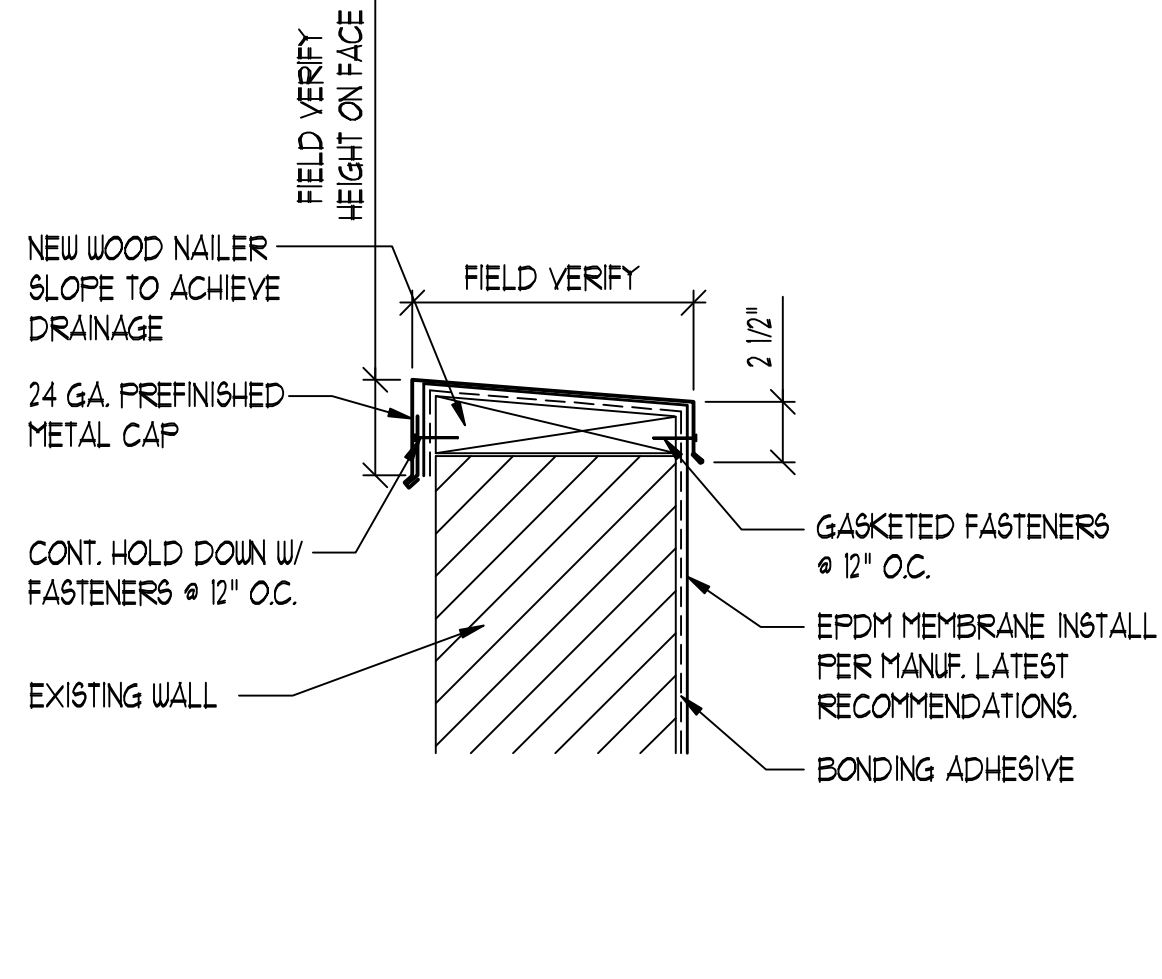
COUNTERFLASHING DETAIL
SCALE: 3" = 1'-0"

A



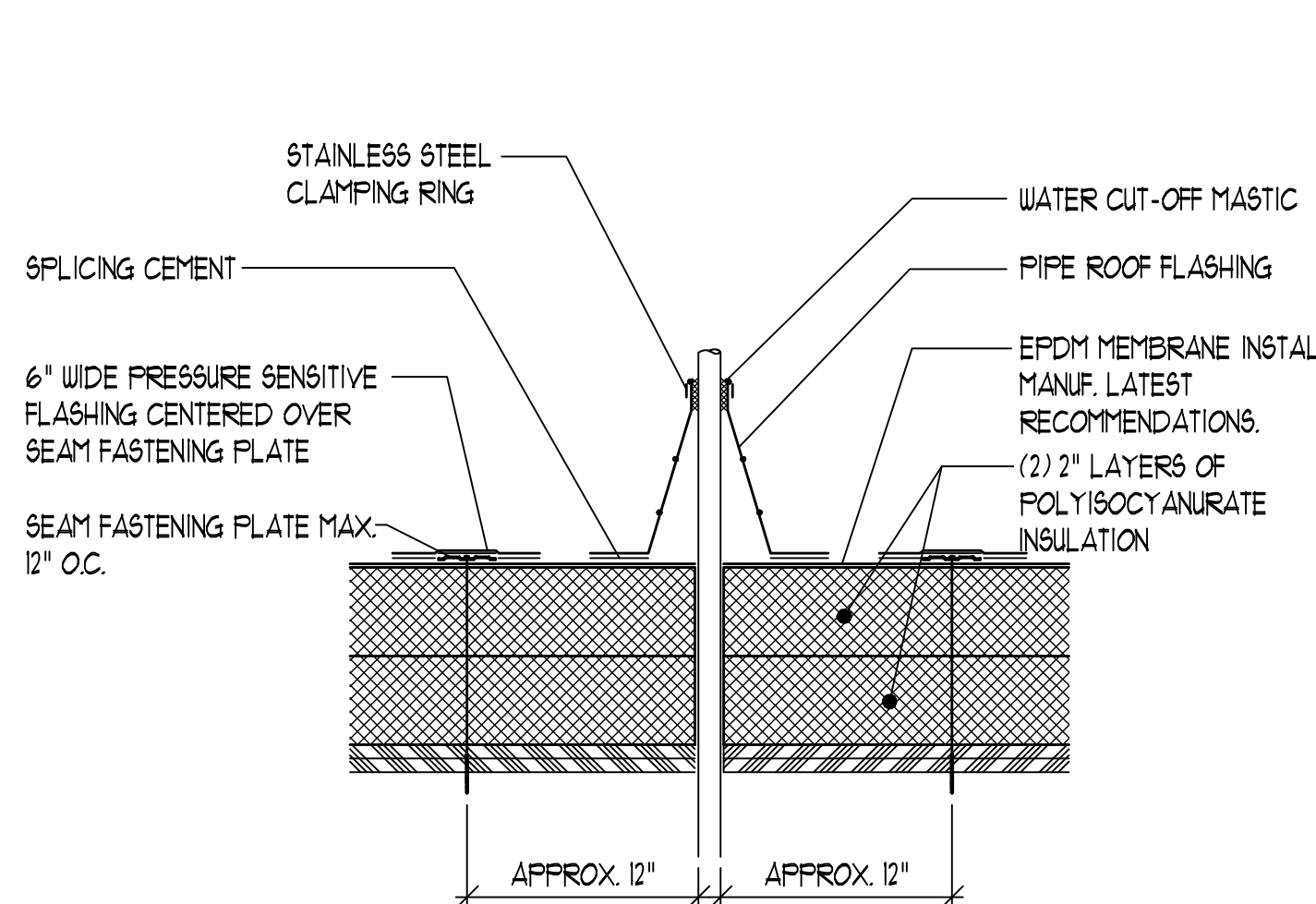
CURB FLASHING
SCALE: N.T.S.

B



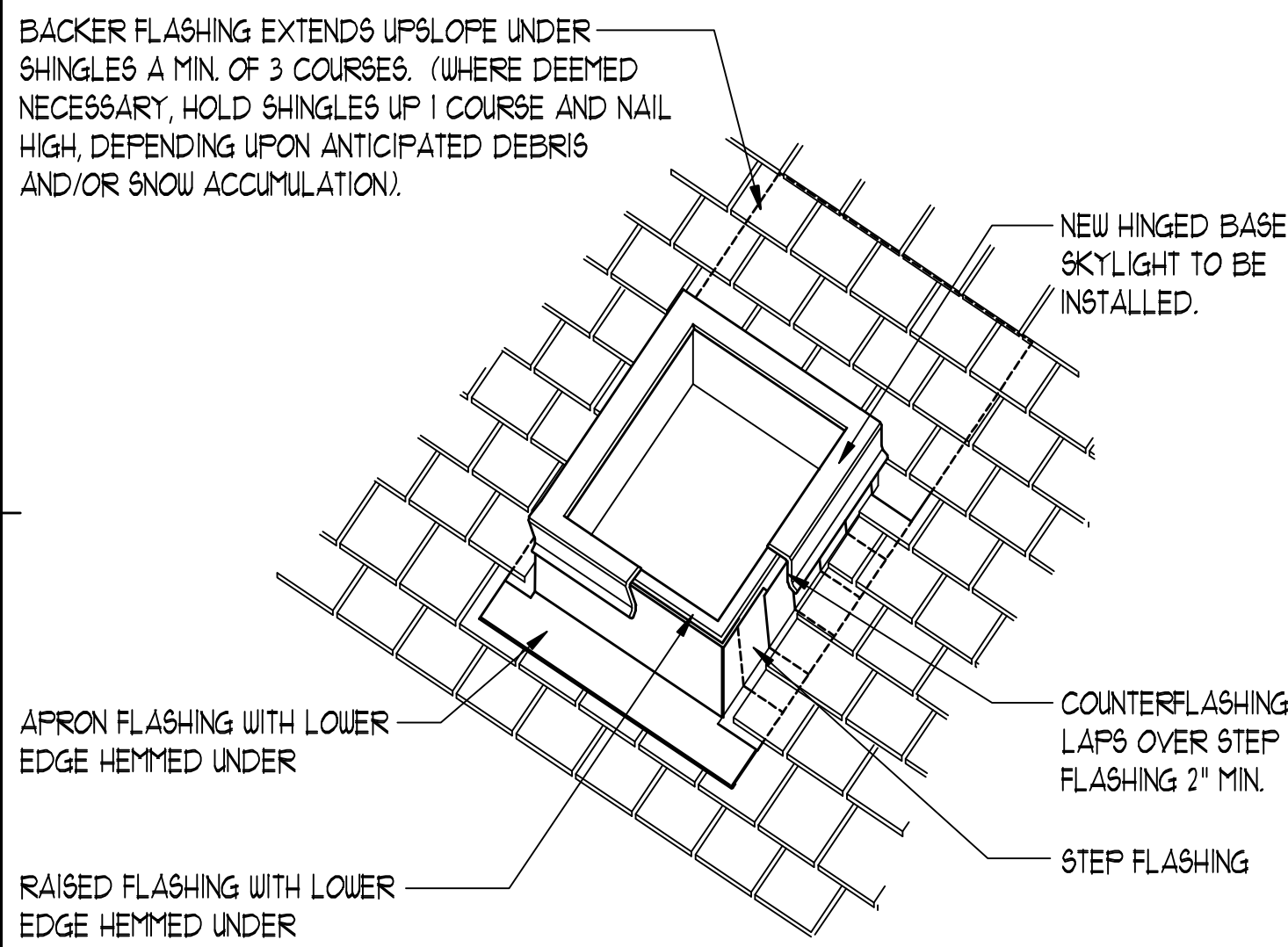
PARAPET CAP DETAIL
SCALE: 1 1/2" = 1'-0"

C



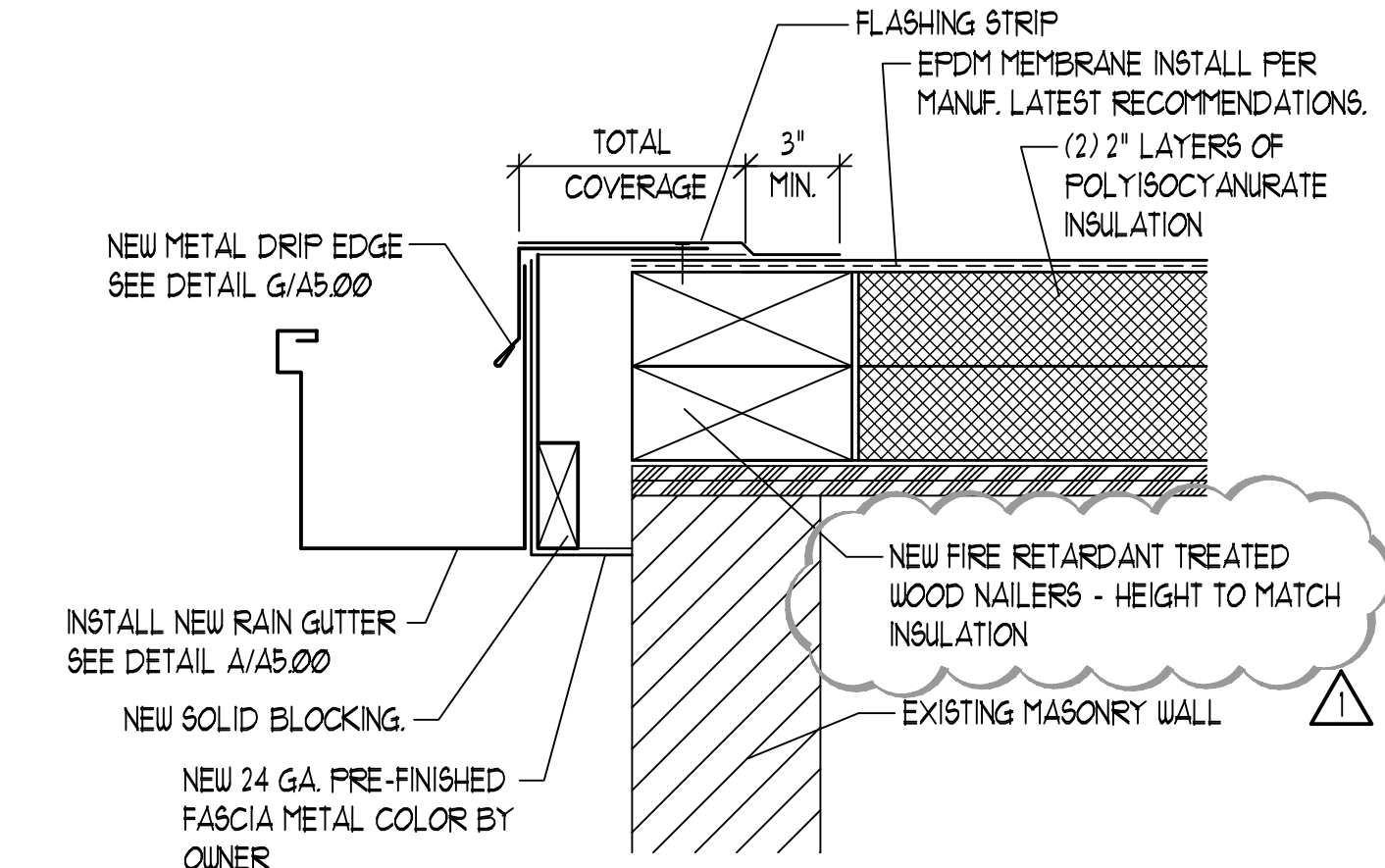
VENT PIPE FLASHING
SCALE: 3" = 1'-0"

D



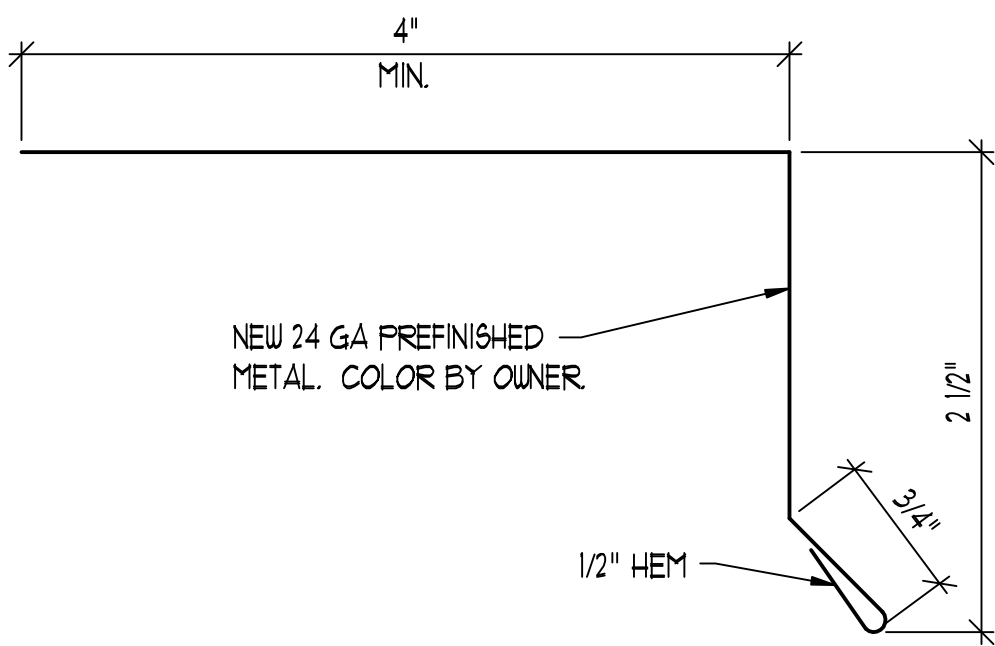
SKYLIGHT DETAIL
SCALE: N.T.S.

E



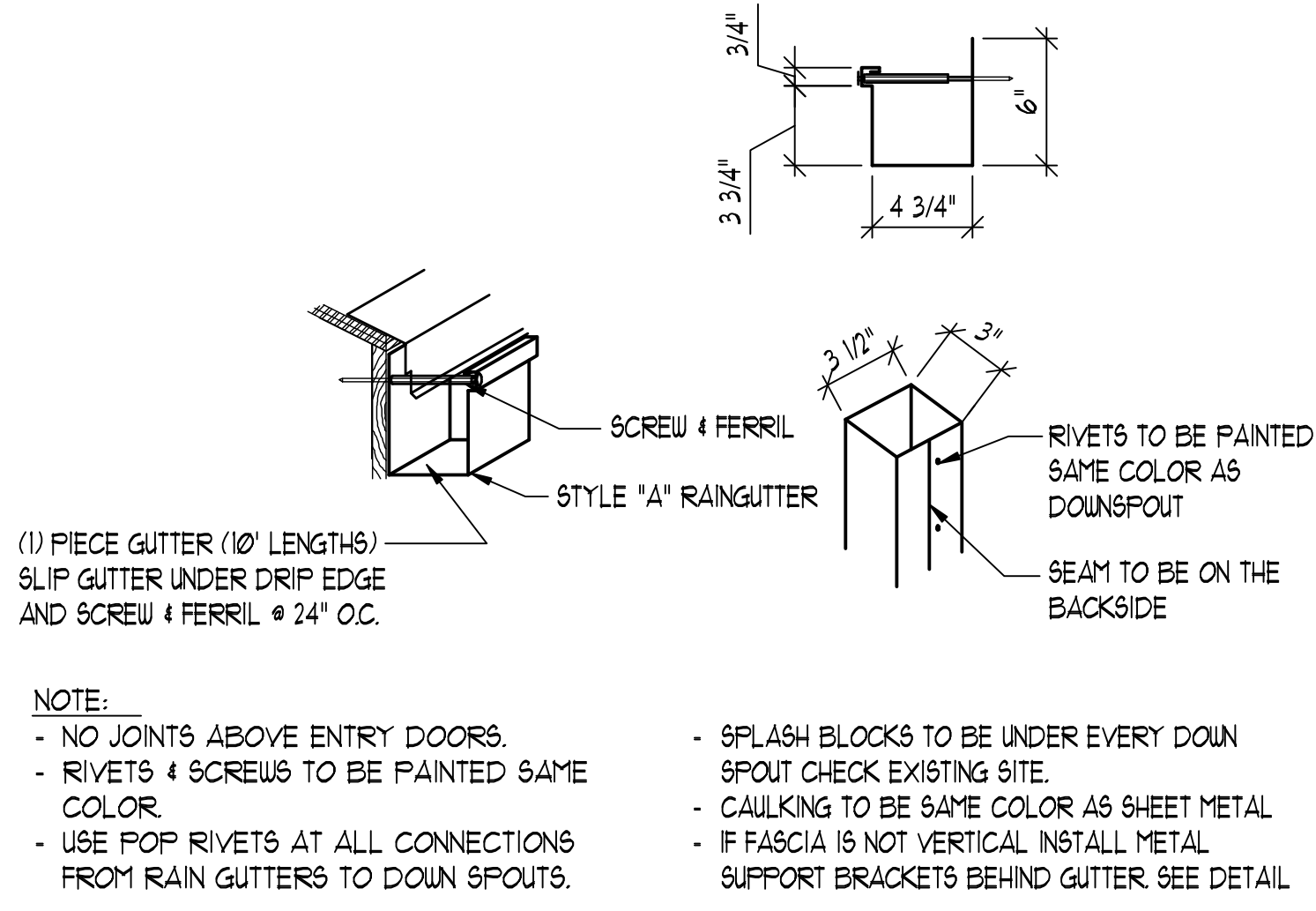
CURB FLASHING
SCALE: N.T.S.

F



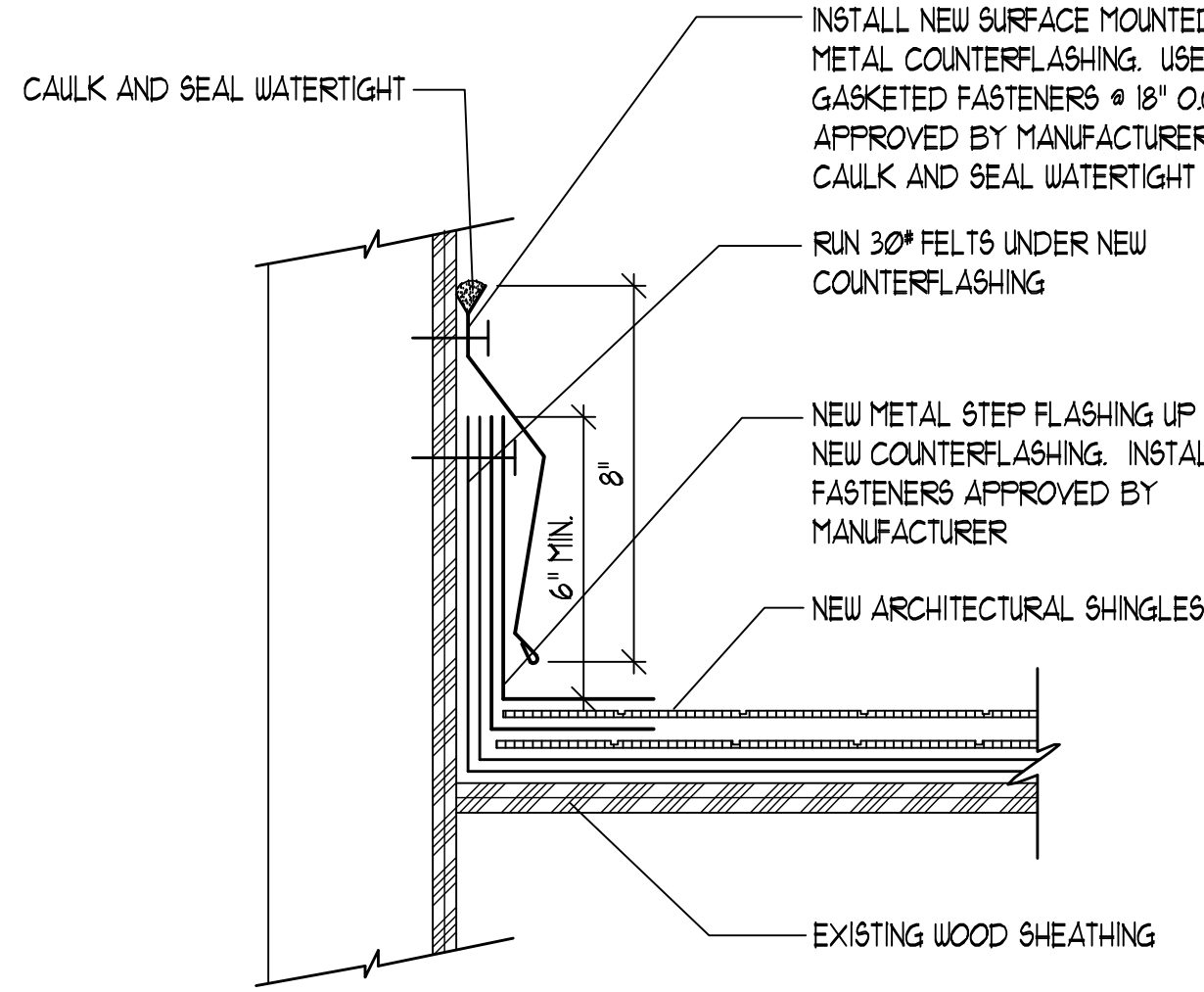
STANDARD DRIP EDGE DETAIL
SCALE: FULL

G



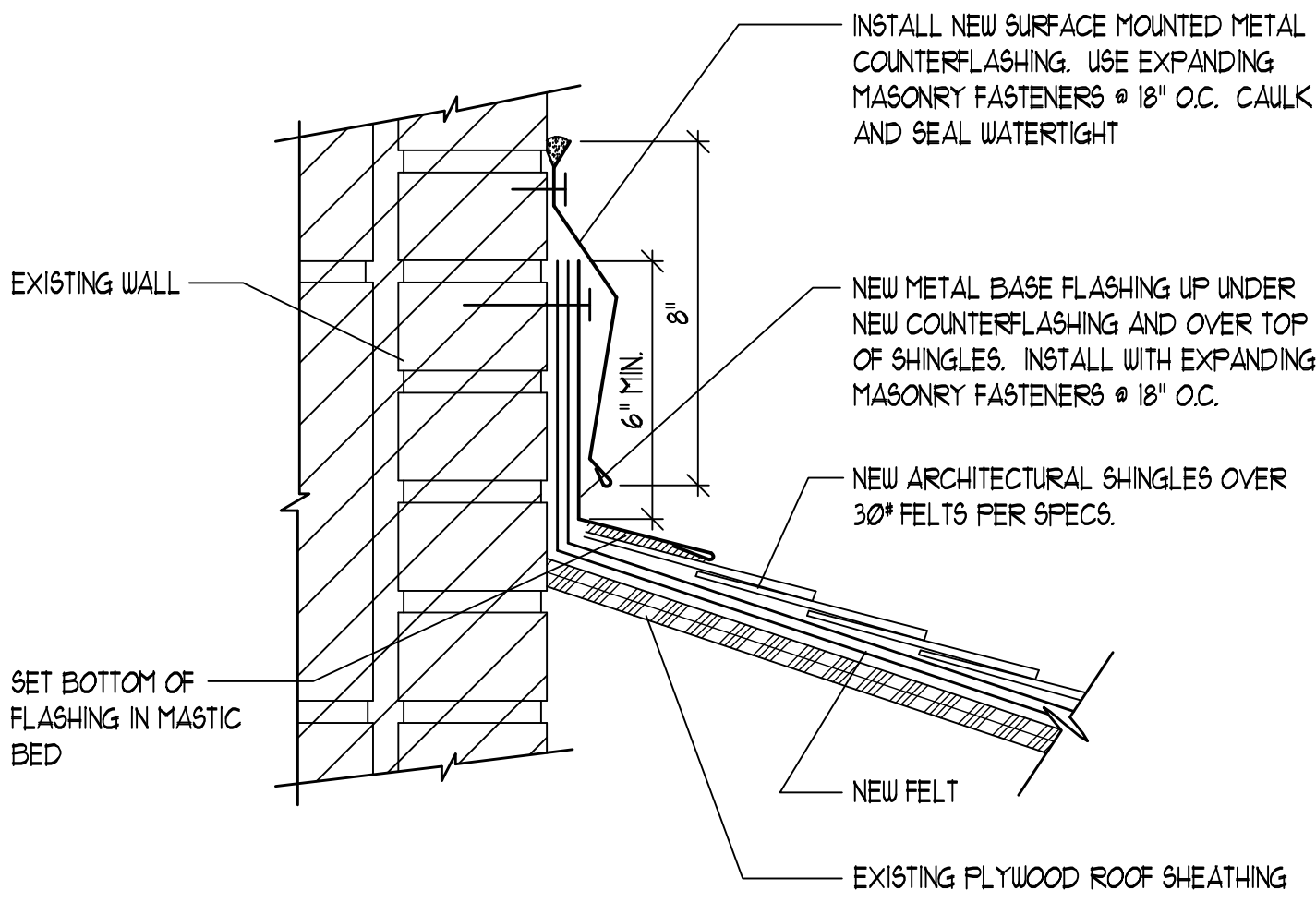
RAINGUTTER & DOWNSPOUT DETAIL
SCALE: 1 1/2" = 1'-0"

H



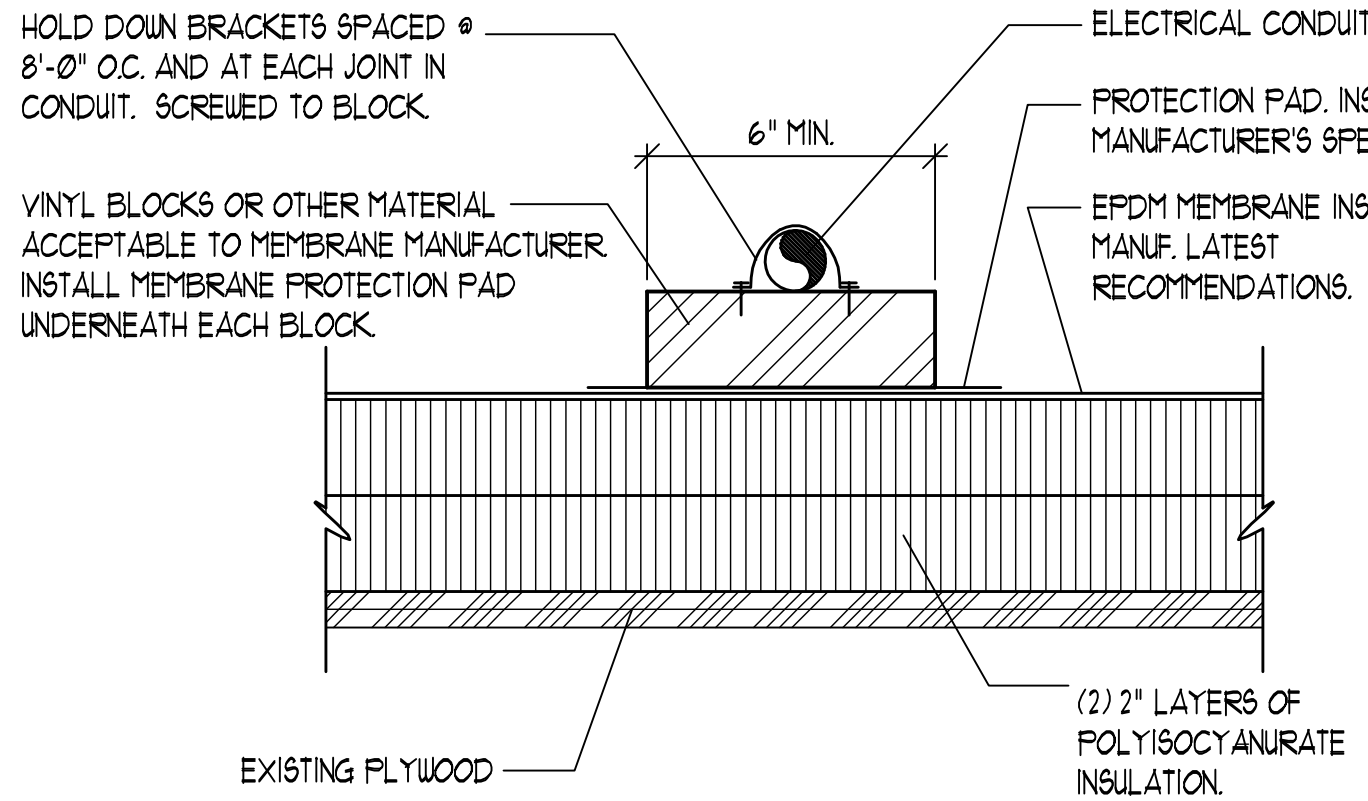
STEP FLASHING DETAIL
SCALE: 3" = 1'-0"

J



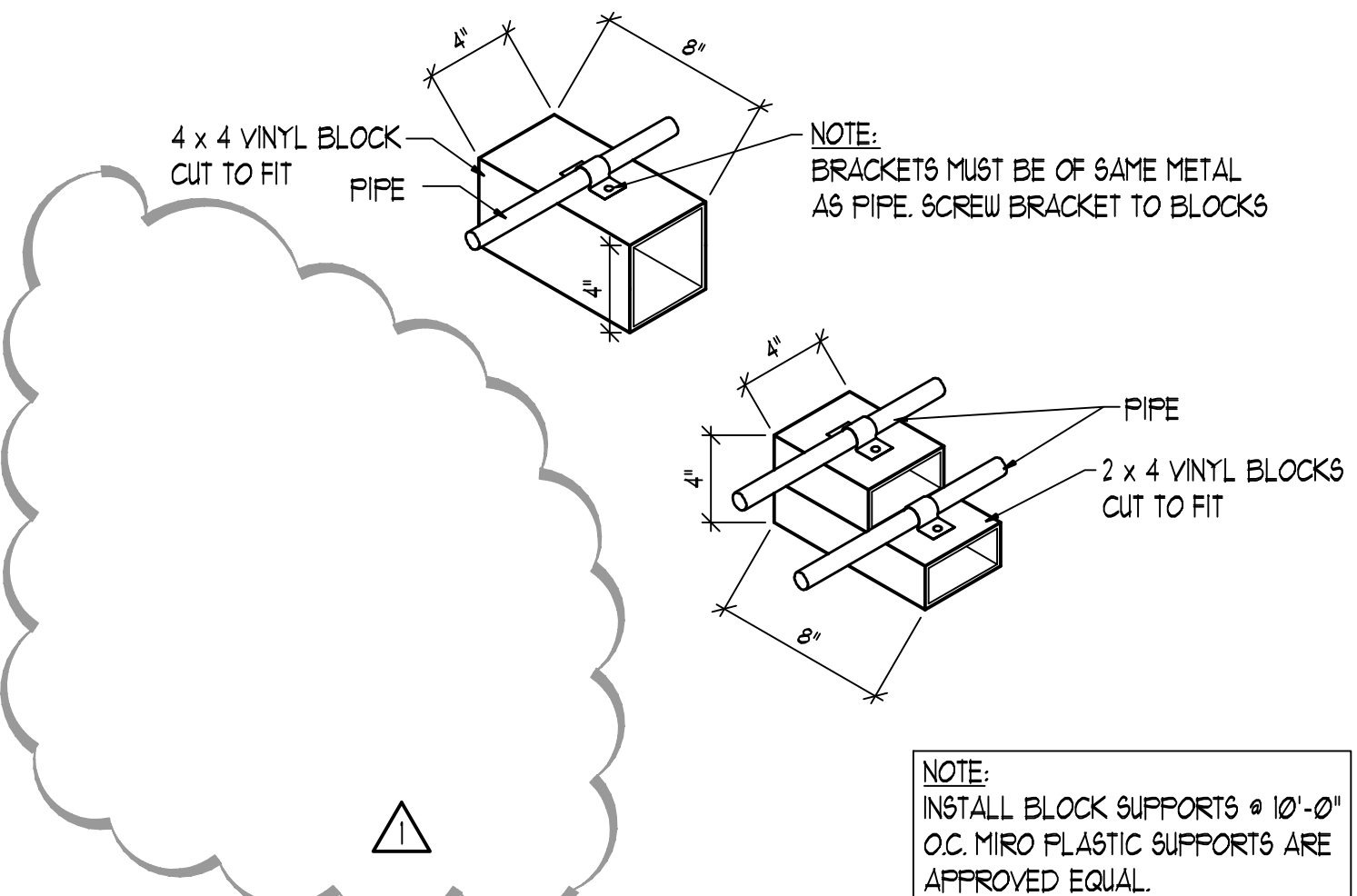
COUNTERFLASHING DETAIL
SCALE: 3" = 1'-0"

K



PIPE BLOCKING DETAIL
SCALE: N.T.S.

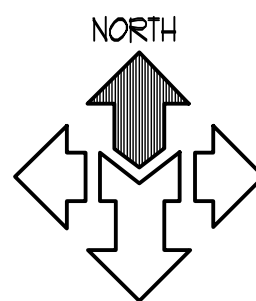
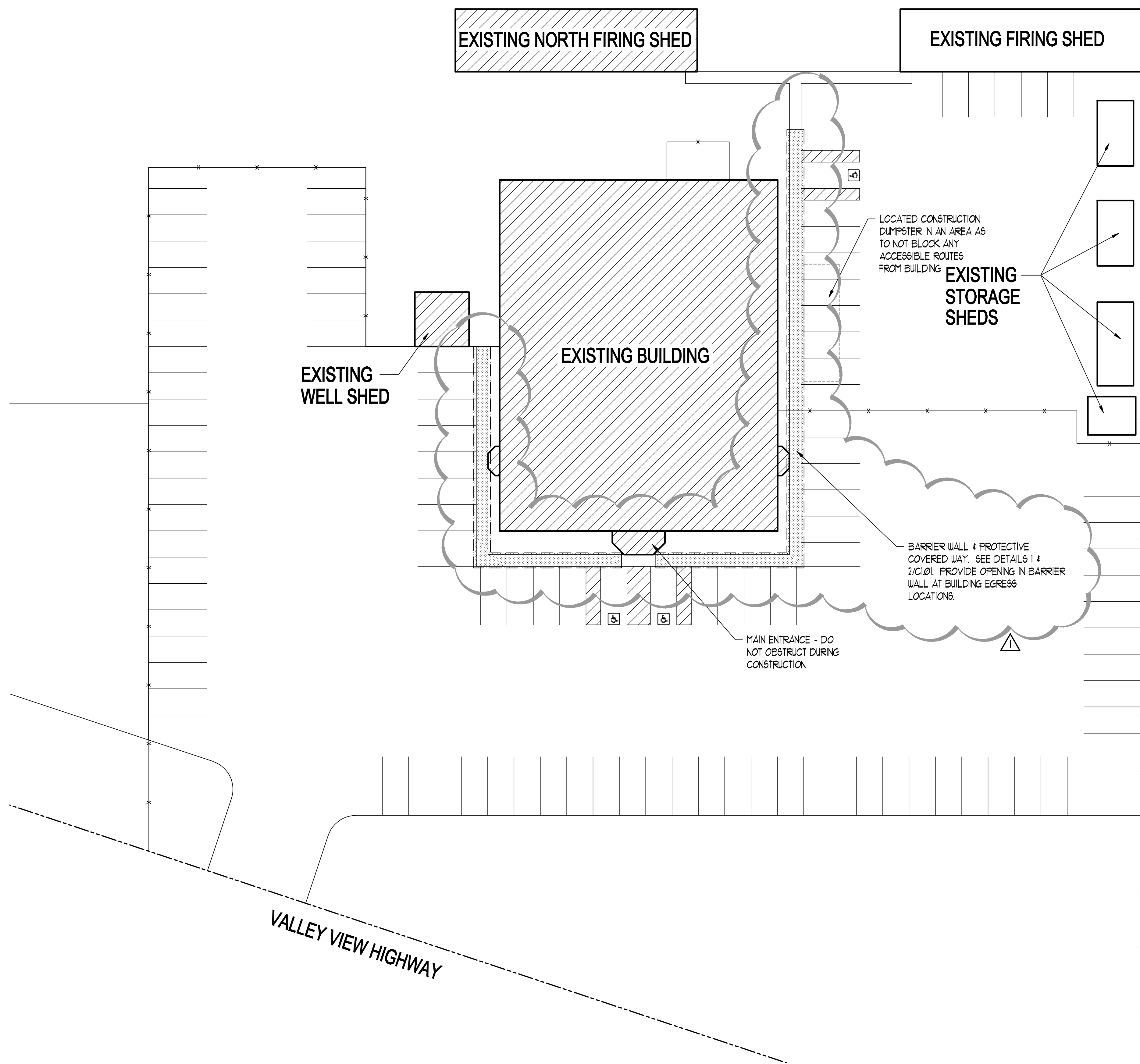
L



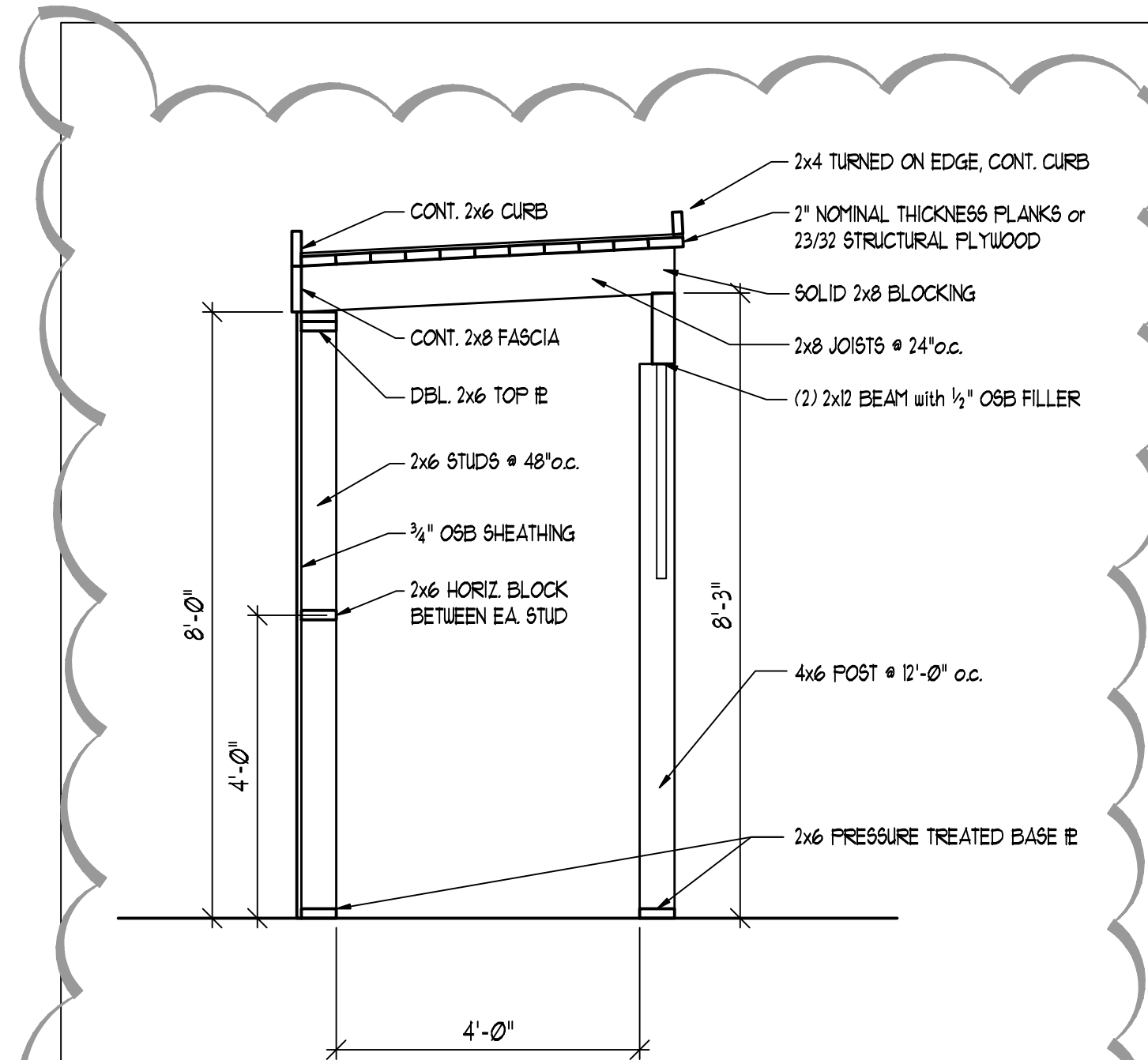
VINYL PIPE BLOCK DETAILS
SCALE: N.T.S.

M

S:\2008Files\280554.DWG\280554-pln.dwg Jan. 20, 2009 - 10:08am

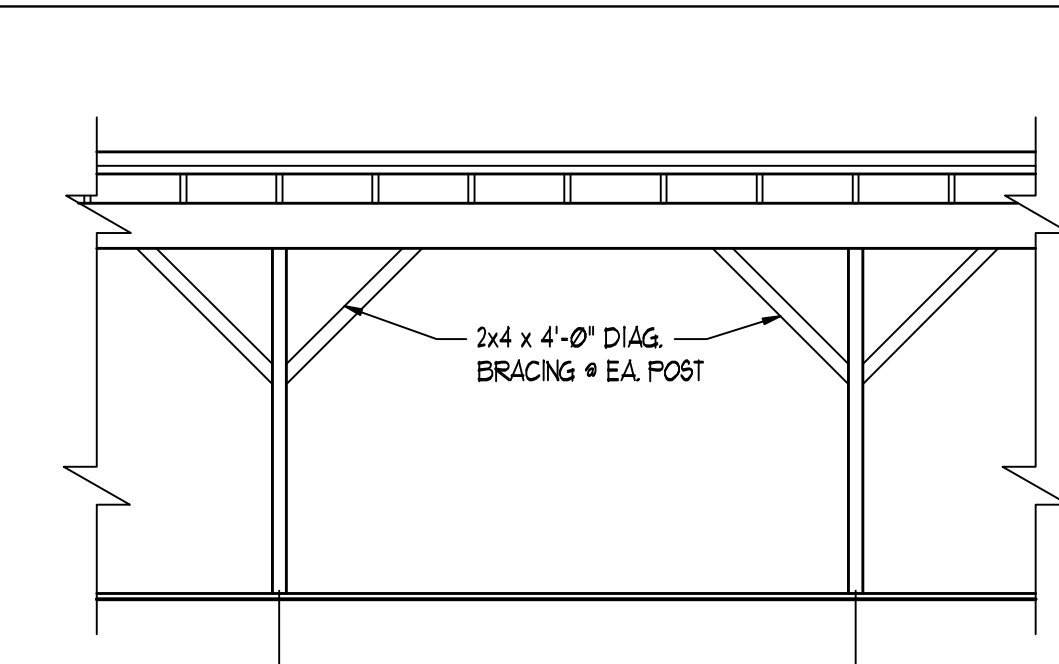


PARTIAL SITE PLAN
SCALE: 1" = 20'-0"



COVERED WAY & BARRIER SECTION

SCALE: 1/2" = 1'-0"



PARTIAL COVERED WAY ELEVATION

SCALE: 1/4" = 1'-0"

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.

Call Digs

BEFORE YOU

1-800-662-4111

NOTICE!

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION, AND RESTORATION OF ALL BURIED OR ABOVE GROUND UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS.

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PARTIAL SITE PLAN

C1.01
SHEET: 2 OF 4